# Appendix I: Stimuli for Wordlikeness Rating Experiment

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Stimulus | Type | Syllable  Type | Frequency | Syllable  Frequency | Syllable-  Gap Frequency | Mean Response  (1-7 scale) |
| [sɑŋ]35 | gap | close | 0 | 13 | 1 | 2.027 |
| [tʂʰwən]51 | gap | close | 0 | 122 | 1 | 3.405 |
| [kʰwɑŋ]214 | gap | close | 0 | 176 | 1 | 2.797 |
| [pʰɑŋ]214 | gap | close | 0 | 286 | 1 | 2.784 |
| [tsuŋ ]35 | gap | close | 0 | 412 | 1 | 2.446 |
| [twan]35 | gap | close | 0 | 618 | 1 | 4.297 |
| [tɑŋ]35 | gap | close | 0 | 1210 | 1 | 2.770 |
| [mjɛn]55 | gap | close | 0 | 2012 | 1 | 2.500 |
| [pjɛn]35 | gap | close | 0 | 3527 | 1 | 3.986 |
| [ɻən]55 | gap | close | 0 | 4120 | 1 | 5.459 |
| [tswən]214 | gap | close | 0 | 27 | 2 | 2.959 |
| [tsʰɑŋ]214 | gap | close | 0 | 32 | 2 | 2.753 |
| [tsʰɑŋ]51 | gap | close | 0 | 32 | 2 | 3.233 |
| [swən]51 | gap | close | 0 | 42 | 2 | 3.419 |
| [kʰwan]51 | gap | close | 0 | 60 | 2 | 2.892 |
| [tʰwan]214 | gap | close | 0 | 141 | 2 | 2.649 |
| [tʰwan]51 | gap | close | 0 | 141 | 2 | 2.473 |
| [nuŋ]55 | gap | close | 0 | 161 | 2 | 2.432 |
| [nuŋ]214 | gap | close | 0 | 161 | 2 | 2.446 |
| [swan]35 | gap | close | 0 | 707 | 2 | 2.108 |
| [swan]214 | gap | close | 0 | 707 | 2 | 2.260 |
| [tsʰwan]55 | gap | close | 0 | 2 | 3 | 4.689 |
| [ɻwən]214 | gap | close | 0 | 6 | 3 | 2.081 |
| [kwən]55 | gap | close | 0 | 7 | 3 | 2.338 |
| [kwən]35 | gap | close | 0 | 7 | 3 | 2.176 |
| [nwan]55 | gap | close | 0 | 9 | 3 | 1.986 |
| [nwan]51 | gap | close | 0 | 9 | 3 | 3.392 |
| [kʰəŋ]35 | gap | close | 0 | 13 | 3 | 2.824 |
| [kʰəŋ]214 | gap | close | 0 | 13 | 3 | 3.297 |
| [kʰəŋ]51 | gap | close | 0 | 13 | 3 | 3.081 |
| [tʰəŋ]55 | gap | close | 0 | 15 | 3 | 4.365 |
| [njɑŋ]214 | gap | close | 0 | 19 | 3 | 2.315 |
| [ɻwan]55 | gap | close | 0 | 29 | 3 | 2.135 |
| [ɻwan]35 | gap | close | 0 | 29 | 3 | 5.247 |
| [ɻwan]51 | gap | close | 0 | 29 | 3 | 3.216 |
| [tɕʰɥn]214 | gap | close | 0 | 36 | 3 | 2.311 |
| [tɕʰɥn]51 | gap | close | 0 | 36 | 3 | 2.608 |
| [sən]35 | gap | close | 0 | 66 | 3 | 2.676 |
| [sən]214 | gap | close | 0 | 66 | 3 | 2.689 |
| [sən]51 | gap | close | 0 | 66 | 3 | 3.486 |
| [nin]55 | gap | close | 0 | 83 | 3 | 3.027 |
| [ʂwən]55 | gap | close | 0 | 98 | 3 | 3.730 |
| [mɑŋ]55 | gap | close | 0 | 102 | 3 | 3.892 |
| [mɑŋ]51 | gap | close | 0 | 102 | 3 | 2.365 |
| [tʂwən]35 | gap | close | 0 | 141 | 3 | 2.270 |
| [tsʰəŋ]55 | gap | close | 0 | 154 | 3 | 3.865 |
| [tɕɥn]35 | gap | close | 0 | 202 | 3 | 2.907 |
| [ɻuŋ]51 | gap | close | 0 | 241 | 3 | 2.986 |
| [sa]35 | gap | open | 0 | 16 | 1 | 3.635 |
| [tsu]51 | gap | open | 0 | 266 | 1 | 4.770 |
| [su]214 | gap | open | 0 | 318 | 1 | 3.297 |
| [tswo]55 | gap | open | 0 | 3212 | 1 | 4.581 |
| [tʂʰwo]214 | gap | open | 0 | 7 | 2 | 2.446 |
| [nwo]55 | gap | open | 0 | 7 | 2 | 2.243 |
| [nwo]214 | gap | open | 0 | 7 | 2 | 2.689 |
| [ka]55 | gap | open | 0 | 18 | 2 | 5.095 |
| [ka]214 | gap | open | 0 | 18 | 2 | 2.689 |
| [tʂwo]51 | gap | open | 0 | 47 | 2 | 4.216 |
| [tsa]214 | gap | open | 0 | 70 | 2 | 3.329 |
| [tsa]51 | gap | open | 0 | 70 | 2 | 3.973 |
| [tʰje]35 | gap | open | 0 | 80 | 2 | 3.824 |
| [tʰje]51 | gap | open | 0 | 80 | 2 | 3.203 |
| [kʰa]35 | gap | open | 0 | 115 | 2 | 2.703 |
| [kʰa]51 | gap | open | 0 | 115 | 2 | 2.608 |
| [tsʰwo]214 | gap | open | 0 | 625 | 2 | 2.432 |
| [swo]35 | gap | open | 0 | 2863 | 2 | 4.189 |
| [swo]51 | gap | open | 0 | 2863 | 2 | 4.581 |
| [ʂwo]35 | gap | open | 0 | 5820 | 2 | 4.203 |
| [pʰje]51 | gap | open | 0 | 1 | 3 | 3.164 |
| [nje]35 | gap | open | 0 | 8 | 3 | 2.270 |
| [lja]55 | gap | open | 0 | 9 | 3 | 2.162 |
| [lja]35 | gap | open | 0 | 9 | 3 | 2.284 |
| [lja]51 | gap | open | 0 | 9 | 3 | 2.378 |
| [kʰwo]55 | gap | open | 0 | 17 | 3 | 3.108 |
| [kʰwo]35 | gap | open | 0 | 17 | 3 | 2.676 |
| [kʰwo]214 | gap | open | 0 | 17 | 3 | 2.753 |
| [xa]51 | gap | open | 0 | 27 | 3 | 3.878 |
| [ɻwo]55 | gap | open | 0 | 46 | 3 | 2.068 |
| [tje]214 | gap | open | 0 | 59 | 3 | 2.851 |
| [tje]51 | gap | open | 0 | 59 | 3 | 2.689 |
| [lje]55 | gap | open | 0 | 106 | 3 | 3.932 |
| [lje]214 | gap | open | 0 | 106 | 3 | 3.176 |
| [tsɤ]55 | gap | open | 0 | 159 | 3 | 2.904 |
| [sɤ]55 | gap | open | 0 | 218 | 3 | 2.743 |
| [sɤ]35 | gap | open | 0 | 218 | 3 | 2.919 |
| [sɤ]214 | gap | open | 0 | 218 | 3 | 2.110 |
| [tʰɤ]35 | gap | open | 0 | 223 | 3 | 2.203 |
| [tʰɤ]214 | gap | open | 0 | 223 | 3 | 2.095 |
| [ɻɹ̩]55 | gap | open | 0 | 507 | 3 | 3.068 |
| [ɻɹ̩]35 | gap | open | 0 | 507 | 3 | 2.108 |
| [ɻɹ̩]214 | gap | open | 0 | 507 | 3 | 2.676 |
| [ny]55 | gap | open | 0 | 542 | 3 | 2.297 |
| [ny]35 | gap | open | 0 | 542 | 3 | 3.527 |
| [ny]51 | gap | open | 0 | 542 | 3 | 2.784 |
| [tɤ]55 | gap | open | 0 | 844 | 3 | 3.095 |
| [tɤ]51 | gap | open | 0 | 844 | 3 | 2.630 |
| [ljəŋ]214 | word | close | 67 | 505 | 0 | 5.438 |
| [ʂən]35 | word | close | 74 | 683 | 0 | 5.635 |
| [fan]55 | word | close | 64 | 1004 | 0 | 6.662 |
| [tɕʰjəŋ]55 | word | close | 602 | 1832 | 0 | 6.527 |
| [lɑŋ]51 | word | close | 60 | 79 | 1 | 6.014 |
| [kʰwən]51 | word | close | 52 | 96 | 1 | 5.568 |
| [tʂʰan]214 | word | close | 139 | 147 | 1 | 5.446 |
| [pʰjɛn]35 | word | close | 119 | 396 | 1 | 5.257 |
| [tjəŋ]214 | word | close | 47 | 928 | 1 | 5.770 |
| [pən]214 | word | close | 1103 | 1119 | 1 | 5.865 |
| [pan]55 | word | close | 816 | 1804 | 1 | 6.459 |
| [tɕjɛn]55 | word | close | 868 | 1883 | 1 | 6.581 |
| [tɕjɛn]214 | word | close | 237 | 1883 | 1 | 5.554 |
| [tɕin]214 | word | close | 69 | 1913 | 1 | 5.932 |
| [mjɛn]51 | word | close | 1942 | 2012 | 1 | 6.486 |
| [tɕjəŋ]51 | word | close | 410 | 2298 | 1 | 6.365 |
| [tjɛn]55 | word | close | 4 | 2485 | 1 | 5.959 |
| [kuŋ]51 | word | close | 113 | 2566 | 1 | 5.932 |
| [lin]51 | word | close | 2 | 228 | 2 | 5.568 |
| [tsʰuŋ]55 | word | close | 24 | 930 | 2 | 6.297 |
| [tʰjɛn]35 | word | close | 88 | 1402 | 2 | 5.932 |
| [ɻan]35 | word | close | 5397 | 5436 | 2 | 6.486 |
| [tɕʰɥn]35 | word | close | 36 | 36 | 3 | 5.541 |
| [njəŋ]35 | word | close | 48 | 48 | 3 | 6.230 |
| [tʰwo]51 | word | open | 2 | 260 | 0 | 6.095 |
| [ɕɥ]55 | word | open | 311 | 688 | 0 | 5.324 |
| [tu]51 | word | open | 281 | 800 | 0 | 6.297 |
| [tsʰɹ̩]35 | word | open | 43 | 939 | 0 | 6.378 |
| [fu]214 | word | open | 252 | 1555 | 0 | 5.162 |
| [fu]51 | word | open | 812 | 1555 | 0 | 6.562 |
| [ɕɥe]51 | word | open | 2 | 2254 | 0 | 5.581 |
| [two]35 | word | open | 107 | 2559 | 0 | 6.176 |
| [tɕja]35 | word | open | 8 | 3537 | 0 | 6.297 |
| [li]214 | word | open | 2102 | 3564 | 0 | 6.324 |
| [li]51 | word | open | 1258 | 3564 | 0 | 6.527 |
| [ta]35 | word | open | 157 | 4395 | 0 | 6.730 |
| [kwa]55 | word | open | 69 | 126 | 1 | 6.486 |
| [ʂa]55 | word | open | 117 | 138 | 1 | 6.554 |
| [ku]55 | word | open | 36 | 424 | 1 | 6.514 |
| [ku]214 | word | open | 179 | 424 | 1 | 6.284 |
| [tɕʰje]214 | word | open | 579 | 653 | 1 | 6.203 |
| [fa]35 | word | open | 34 | 1378 | 1 | 6.216 |
| [xwa]35 | word | open | 496 | 2912 | 1 | 6.595 |
| [tswo]51 | word | open | 2751 | 3212 | 1 | 6.500 |
| [tʰje]214 | word | open | 42 | 80 | 2 | 5.203 |
| [pje]55 | word | open | 2 | 340 | 2 | 5.932 |
| [swo]214 | word | open | 2844 | 2863 | 2 | 5.892 |
| [nje]55 | word | open | 8 | 8 | 3 | 6.081 |